Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Detailed Estimated for Improvements to Roads & Drains at Industrial area of Abbigere near Segregation Shed, in Shettyhalli Sub Division, Ward No-12.

Est .Cost Rs. 19.90 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.1/ PWD SR 2013-14	Cum							
			1	160.00	5.70	0.15	136.80		
			1	110.00	5.20	0.15	85.80		
			1	125.00	5.40	0.15	101.25		
			1	106.00	5.00	0.15	79.50		
							403.35	126.36	**50967.00**
	Basic Rate	117.00							
	Area Weightage 8%	9.36							
		126.36							
2	KSRRB M400-6.1 Construction of granular sub-base by providing close graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per Specifications. A. Plant Mix Method. close graded granular sub-base Material as per 400-1 For Grading -- I Material Page No. 167/ Item No. 20.4.1/ PWD SR 2013-14	Cum							
			1	160.00	5.70	0.15	136.80		
			1	110.00	5.20	0.15	85.80		
			1	125.00	5.40	0.15	101.25		
			1	106.00	5.00	0.15	79.50		
							403.35	1060.56	427777
	Basic Rate	982.00							
	Area Weightage 8%	78.56							

		1,060.56							
3	KS(RB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications. MORTH Specification No. 406 Page No. 170/ Item No. 20.18/ PWD SR 2013-14	Cum							
			1	160.00	5 70	0.20	182.40		
			1	110.00	5.20	0.20	114.40		
			1	125.00	5.40	0.20	135.00		
			1	106.00	5.00	0.20	106.00		
							537.80	1121.04	**602895**
	Basic Rate	1,038.00							
	Area Weightage 8%	83.04							
		1,121.04							
4	KSRRB 500-4: Providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut back M.C-70 or any other bitumen mixed with diesel at 10kg per 10sqm heated in bitumen boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries Complete as per Specifications. MORTH Chapter 5, low porosity. Page No. 175/ Item No. 21.4.1/ PWD SR 2013-14	Sqm							
			1	160.00	5.70		912.00		
			1	110.00	5.20		572.00		
			1	125.00	5.40		675.00		
			1	106.00	5.00		530.00		
							2689.00	80.78	**217228**
	Basic Rate	74.80							
	Area Weightage 8%	5.98							
		80.78							

5	KSRRB M500-18: Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. 25-30mm compacted thickness with 5% Bitumen 80/100 grade (Grading II) Page No. 178/ Item No. 21.20.1/ PWD SR 2013-14	Cum							
			1	160.00	5.70	0.025	22.80		
			1	110.00	5.20	0.025	14.30		
			1	125.00	5.40	0.025	16.88		
			1	106.00	5.00	0.025	13.25		
							67.23	9631.44	**647474**
	Basic Rate	8,918.00							
	Area Weightage 8%	713.44							
		9,631.44							
6	KSRRB 400-1.3: Carriage of mixed materials 10 Kms, For items of Sl.no 1.c) rs. 5.20 per cum/km. Page no 186/ PWD SR 2013-14	Cum							
							67.23	56.16	3775
	Basic Rate	52.00							
	Area Weightage 8%	4.16							
		56.16							
7	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead **10 Km** a)Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. **2.00** Tonne/Km b)Average earth of work **1.28** Tonne/Km for Rs. **2.00**/Km c)Add loading and unloading Item No. 17 1 KSRRB M 100-1 Rs. **62.20** (P.150, I.no.18.57/1, PWD SR 2013-14)	Cum							
	Qty Vide Item No=1						**403.35**		
	Qty Limited to						**403.35**	94.82	38247.00
	Basic Rate	25.60							
	Loading and Unloading Charges	62.20							
		87.80							
	Area Weightage @ 8%	7.02							

	Total	94.82							
8	Miscellaneous and unforseen Charges								1637
								Total	1990000
(Rupees Nineteen Lakhs Ninety Thousand Only)									

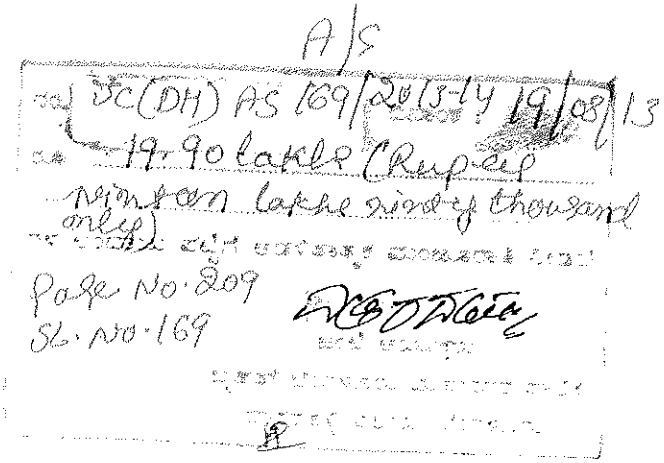
CERTIFICATE

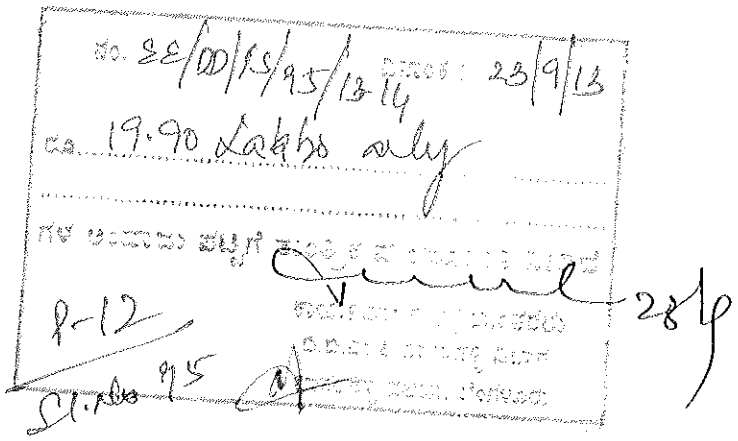
1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2013-14
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

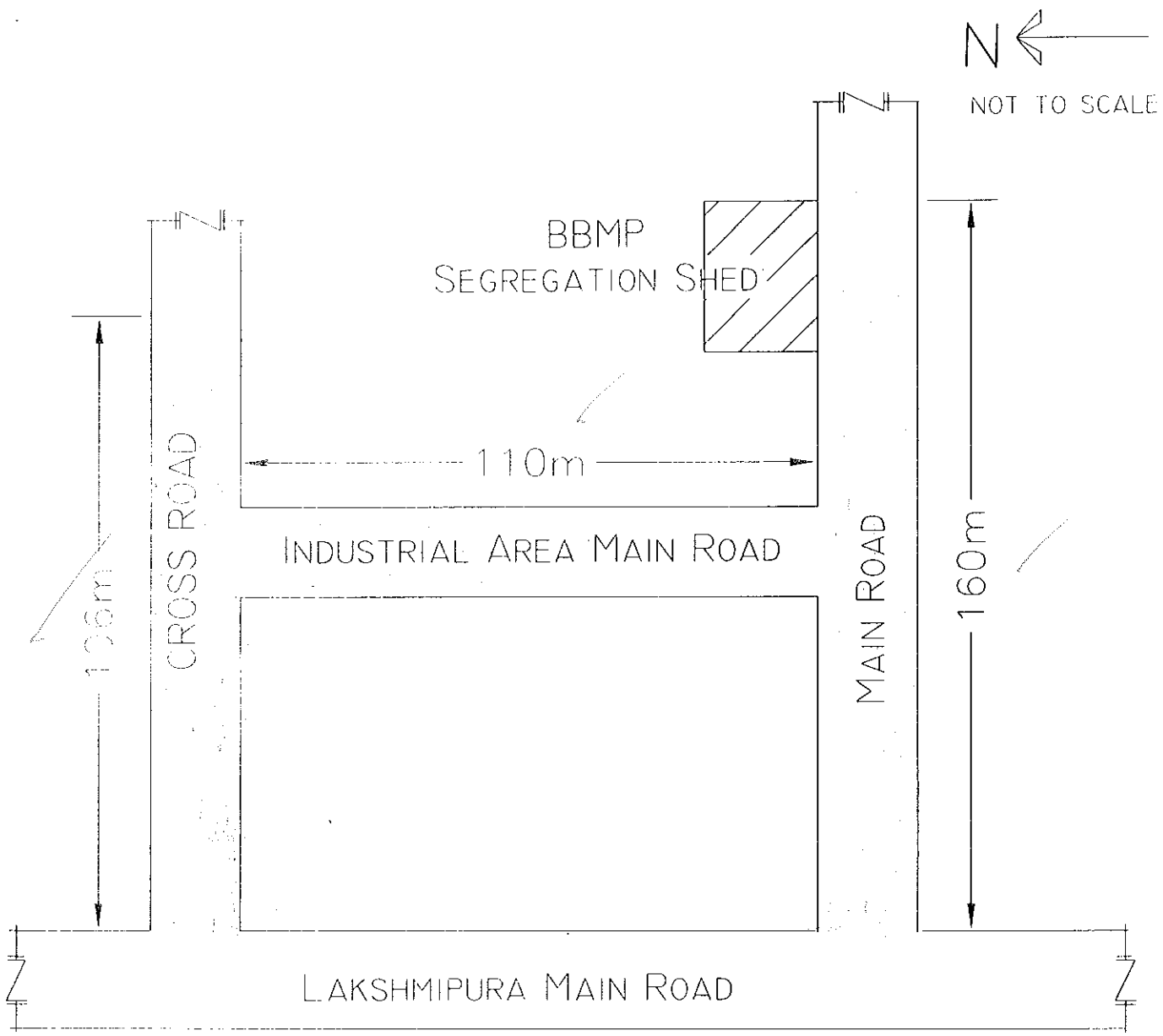
Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP





SKETCH SHOWING IMPROVEMENTS TO ROADS & DRAINS AT INDUSTRIAL AREA OF ABBIGERE NEAR SEGREGATION SHED, WARD NO-12, IN SHETTYHALLI SUB DIVISION



Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
B.B.M.P

INDEX

—ASPHALTING